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UNITED STATES DEPARTMENT OF AGRICULTURE  
Agricultural Research Administration  
Bureau of Agricultural and Industrial Chemistry

1943-44 ANNUAL

NAVAL STORES REPORT

on

Production, Distribution, Consumption and Stocks

of

TURPENTINE AND ROSIN

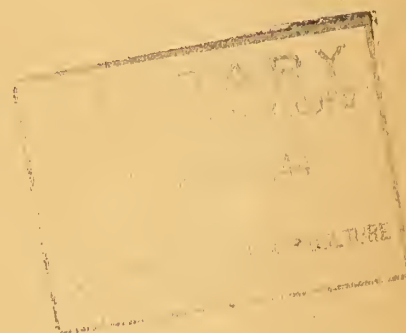
of the

UNITED STATES

By Crop Years

April 1, 1943 - March 31, 1944

Issued May 24, 1944



Compiled by

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Naval Stores Research Division



## FOREWORD

This is the tenth of the series of annual reports by the U. S. Department of Agriculture giving production, consumption, and stocks of naval stores. The period covered by the annual reports is that of the naval stores season - April 1 - March 31. Semi-Annual reports, covering the six-month period, April 1 - September 30, Quarterly reports covering the First and Fourth Quarters of the Naval Stores Season, and a Monthly Survey of Naval Stores Stocks are also issued. These reports are issued under Federal Act 278, providing for the publication of statistics relating to spirits of turpentine and rosin produced, held and used in the domestic and foreign commerce of the United States.

As in previous reports, carryover (stocks) of turpentine and rosin is separated into gum and wood products. Stocks of wood rosin do not include so-called "B wood rosin." While sulphate wood turpentine is carried in the regular production and carryover tables, data on "liquid rosin", tall oil, are in a table separate from gum and wood rosins. Pending the selection of a proper term, we continue to refer to the mixture of resin and fatty acids recovered by the acidification of the soap curds (black liquor soap) obtained in the production of sulphate pulp as tall oil. The tall oil so obtained contains approximately 42 percent of resin acids.

The data on production, consumption and stocks are expressed in commercial units: For turpentine - barrels of 50 gage gallons; and for rosin - barrels of approximately 500 pounds gross weight. A unit of naval stores consists of one barrel of turpentine and three and one-third barrels of rosin. Carryover figures do not include gum turpentine or rosin producible from crude gum on hand.

It will be noted that the reduction in production of pine tar is not in the same ratio as that of destructively distilled wood turpentine. This may be explained in part by the fact that some material previously reported as destructively distilled turpentine was reported this year as pine oil, dipentene, and other monocyclic hydrocarbons.

Statistics on exports and imports of turpentine and rosin are not included in this issue.

These reports are designed to be of use to the industry - producer, factor, distributor and consumer. Every effort is made to obtain complete and accurate information but the completeness, accuracy and promptness of issue depend upon the cooperation of those reporting. In accepting the statistics given in this report, as well as those in previous reports, it should be borne in mind that the Bureau of Agricultural and Industrial Chemistry merely assembles the figures from the individual reports received and is not responsible for their accuracy.

The Bureau of Agricultural and Industrial Chemistry extends its thanks to those producers, factors, distributors and consumers who have so kindly cooperated in furnishing the requested information. The advice and assistance of C. F. Speh, formerly Chief of the Naval Stores Research Division, in compiling this report is gratefully acknowledged.

SUMMARY OF TURPENTINE

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. - 50 gals.)  
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1943-44</u>			<u>1942-43</u>		
<u>12 mos. (Apr. - Mar.)</u>			<u>12 mos. (Apr. - Mar.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1a - SUPPLY AND DISTRIBUTION

U. S. Carryover						
April 1 <u>1/</u>	288,213	213,285	74,928	156,369	86,448	69,921
Production <u>2/</u>	508,432	288,382	220,050	560,351	321,930	238,421
Imports	- - not available	- -	- -	- - not available	- -	- -
Available Supply	796,645	501,667	294,978	716,720	408,378	308,342
Less Carryover						
March 31 <u>1/</u>	<u>295,581</u>	<u>262,057</u>	<u>33,524</u>	<u>288,213</u>	<u>213,285</u>	<u>74,928</u>
Appar. Total						
Consumption	501,064	239,610	261,454	428,507	195,093	233,414
Less Exports	- - not available	- -	- -	- - not available	- -	- -
Appar. U. S.						
Consumption	- - not available	- -	- -	- - not available	- -	- -

TABLE 2a - CARRYOVER (Stocks)

U. S. Carryover						
April 1	288,213	213,285	74,928	156,369	86,448	69,921
U. S. Carryover						
March 31	<u>295,581</u>	<u>262,057</u>	<u>33,524</u>	<u>288,213</u>	<u>213,285</u>	<u>74,928</u>
Increase	7,368	48,772	---	131,844	126,837	5,007
Decrease	---	---	41,404	---	---	---

1/ Tables 3a and 4a.  
2/ Table 5a.



SUMMARY OF ROSIN

SUPPLY, DISTRIBUTION AND CARRYOVER (Bbls. - 500 lbs. gross)  
(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1943-44</u>			<u>1942-43</u>		
<u>12 mos. (Apr. - Mar.)</u>			<u>12 mos. (Apr. - Mar.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 1b - SUPPLY AND DISTRIBUTION

U. S. Carryover						
April 1 <u>1/</u>	1,605,286	1,324,796	280,490	1,434,677	1,230,817	203,860
Production <u>2/</u>	1,828,539	979,456	849,083	2,069,754	1,085,873	983,881
Imports	- - not available	- -	- -	- - not available	- -	- -
Available Supply	3,433,825	2,304,252	1,129,573	3,504,431	2,316,690	1,187,741
Less Carryover						
March 31 <u>1/</u>	<u>993,483</u>	<u>810,258</u>	<u>183,225</u>	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>
Appar. Total						
Consumption	2,440,342	1,493,994	946,348	1,899,145	991,894	907,251
Less Exports	- - not available	- -	- -	- - not available	- -	- -
Appar. U. S.						
Consumption	- - not available	- -	- -	- - not available	- -	- -

TABLE 2b - CARRYOVER (Stocks)

U. S. Carryover						
April 1	1,605,286	1,324,796	280,490	1,434,677	1,230,817	203,860
U. S. Carryover						
March 31	<u>993,483</u>	<u>810,258</u>	<u>183,225</u>	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>
Increase	---	---	---	170,609	93,979	76,630
Decrease	611,803	514,538	97,265	---	---	---

1/ Tables 3b and 4b.

2/ Table 5b. Includes reclaimed rosin.

DETAILS AND SUMMARY OF TURPENTINE CARRYOVER (Bbls. - 50 gals.)  
(At close of naval stores season on Mar. 31)

	<u>1944</u> <u>Mar. 31</u>			<u>1943</u> <u>Mar. 31</u>		
	<u>Total.</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 3a - DETAILS OF TURPENTINE CARRYOVER (Stocks)</u>						
<u>Production Points</u> <sup>1/</sup>						
Gum Stills <sup>2/</sup>	20,008	20,008	---	33,118	33,118	---
Wood Plant <sup>2/</sup>						
Steam Dist.	7,901	---	7,901	33,498	---	33,498
Sulphate	5,532	---	5,532	11,526	---	11,526
Dest. Dist.	122	---	122	251	---	251
Total	33,563	20,008	13,555	78,393	33,118	45,275
<u>Sou. Concent. Points</u> <sup>1/</sup>						
Ports <sup>3/</sup>	129,515	129,515	---	61,691	61,691	---
Interior Yards	86,725	86,725	---	90,979	90,979	---
Total	216,240	216,240	---	152,670	152,670	---
<u>Distribution Points</u>						
Eastern	11,449	5,791	5,658	14,001	4,833	9,168
Central	16,179	11,297	4,882	22,776	13,480	9,296
Western	4,432	2,786	1,646	6,217	3,628	2,589
Total <sup>4/</sup>	32,060	19,874	12,186	42,994	21,941	21,053
<u>Industrial Plants</u> <sup>5/</sup>	13,718	5,935	7,783	14,156	5,556	8,600

TABLE 4a - SUMMARY OF TURPENTINE CARRYOVER (Stocks)

Production Points	33,563	20,008	13,555	78,393	33,118	45,275
Sou. Concent. Points	216,240	216,240	---	152,670	152,670	---
Distribution Points	32,060	19,874	12,186	42,994	21,941	21,053
Industrial Plants	13,718	5,935	7,783	14,156	5,556	8,600
Total in U. S.	295,581	262,057	33,524	288,213	213,285	74,928

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- 1/ Irrespective of ownership. Some of the turpentine may have been sold and may be awaiting shipment.
- 2/ Compiled from reports by producers and factors.
- 3/ Official Board of Trade and Chamber of Commerce Reports.
- 4/ Compiled from reports of individual distributors.
- 5/ Compiled from reports of individual consumers.



DETAILS AND SUMMARY OF ROSIN CARRYOVER (Bbls. - 500 lbs. gross)  
(At close of naval stores season on Mar. 31)

1944                      1943  
Mar. 31                      Mar. 31

	<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>
<u>TABLE 3b - DETAILS OF ROSIN CARRYOVER (Stocks)</u>						
<u>Production Points</u> <sup>1/</sup>						
Gum Stills <sup>2/</sup>	61,871	61,871	---	112,247	112,247	---
Wood Plants <sup>2/</sup>						
Steam Dist. <sup>3/</sup>	90,991	---	90,991	169,689	---	169,689
Sulphate	---	---	---	---	---	---
Dest. Dist.	---	---	---	---	---	---
Total	<u>152,862</u>	<u>61,871</u>	<u>90,991</u>	<u>281,936</u>	<u>112,247</u>	<u>169,689</u>
<u>Sou. Concent. Points</u> <sup>1/</sup>						
Ports <sup>4/</sup>	118,292	118,292	---	359,460	359,460	---
Interior Yards	<u>287,503</u>	<u>287,503</u>	---	<u>590,065</u>	<u>590,065</u>	---
Total	<u>405,795</u>	<u>405,795</u>	---	<u>949,525</u>	<u>949,525</u>	---
<u>Distribution Points</u>						
Eastern	12,162	9,926	2,236	9,341	5,305	4,036
Central	6,447	4,699	1,748	8,664	4,646	4,018
Western	<u>1,976</u>	<u>514</u>	<u>1,462</u>	<u>1,647</u>	<u>180</u>	<u>1,467</u>
Total <sup>5/</sup>	<u>20,585</u>	<u>15,139</u>	<u>5,446</u>	<u>19,652</u>	<u>10,131</u>	<u>9,521</u>
<u>Industrial Plants</u> <sup>6/</sup>	414,241	327,453	86,788	354,173	252,893	101,280

TABLE 4b - SUMMARY OF ROSIN CARRYOVER (Stocks)

Production Points	152,862	61,871	90,991	281,936	112,247	169,689
Sou. Concent. Points	405,795	405,795	---	949,525	949,525	---
Distribution Points	20,585	15,139	5,446	19,652	10,131	9,521
Industrial Plants	<u>414,241</u>	<u>327,453</u>	<u>86,788</u>	<u>354,173</u>	<u>252,893</u>	<u>101,280</u>
Total in U. S.	<u>993,483</u>	<u>810,258</u>	<u>183,225</u>	<u>1,605,286</u>	<u>1,324,796</u>	<u>280,490</u>

- 1/ Irrespective of ownership. Some of the rosin may have been sold and may be awaiting shipment.
- 2/ Compiled from reports by producers and factors. Includes reclaimed gum rosin.
- 3/ Does not include by-products resulting from making paler grades from FF wood rosin.
- 4/ Official Board of Trade and Chamber of Commerce Reports.
- 5/ Compiled from reports of individual distributors.
- 6/ Compiled from reports of individual consumers.

DETAILS OF PRODUCTION

(By naval stores seasons, beginning Apr. 1 and ending Mar. 31)

<u>1943-44</u>			<u>1942-43</u>		
<u>12 mos. (Apr. - Mar.)</u>			<u>12 mos. (Apr. - Mar.)</u>		
<u>Total</u>	<u>Gum</u>	<u>Wood</u>	<u>Total</u>	<u>Gum</u>	<u>Wood</u>

TABLE 5a - PRODUCTION OF TURPENTINE (Bbls. - 50 gals.)

Gum	288,382	288,382	---	321,930	321,930	---
Wood						
Steam Dist.	125,171	---	125,171	148,166	---	148,166
Sulphate	91,045	---	91,045	84,484	---	84,484
Dest. Dist.	<u>3,834</u>	<u>---</u>	<u>3,834</u>	<u>5,771</u>	<u>---</u>	<u>5,771</u>
Total	508,432	288,382	220,050	560,351	321,930	238,421

TABLE 5b - PRODUCTION OF ROSIN (Bbls. 500 lbs. gross)

Gum	967,176	967,176	---	1,071,752	1,071,752	---
Reclaimed gum	12,280	12,280	---	14,121	14,121	---
Wood						
Steam Dist.	849,083	---	849,063	983,881	---	983,881
Sulphate	---	---	---	---	---	---
Dest. Dist.	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
Total	1,828,539	979,456	849,083	2,069,754	1,085,873	983,881

TABLE 5c - PRODUCTION OF BLACK LIQUOR SOAP AND TALL OIL<sup>1/</sup>

<u>1943-44</u>	<u>1942-43</u>
<u>Apr. - Mar.</u>	<u>Apr. - Mar.</u>
173,535 tons black liquor soap. Part of this was used to produce 70,427 tons crude tall oil.	95,562 tons black liquor soap reported produced; to be further processed.

<sup>1/</sup> See foreword for definition.

TABLE 6 - PRODUCTION OF GUM TURPENTINE BY STATES<sup>1/</sup>

	<u>1943-44</u>		<u>1942-43</u>	
	<u>12 mos. (Apr. - Mar.)</u>		<u>12 mos. (Apr. - Mar.)</u>	
	<u>Barrels</u>	<u>Percentage</u>	<u>Barrels</u>	<u>Percentage</u>
South Carolina	3,262	1.13	3,969	1.24
Georgia	198,637	68.88	223,393	69.40
Florida	65,445	22.70	69,018	21.44
Alabama	16,590	5.75	20,014	6.21
Mississippi	3,528	1.22	4,520	1.40
Louisiana	<u>920</u>	<u>0.32</u>	<u>1,016</u>	<u>0.31</u>
Total	288,382	100.00	321,930	100.00

TABLE 7 - MISCELLANEOUS NAVAL STORES (Bbls. - 50 gals.)

	<u>1943-44</u>		<u>1942-43</u>	
	<u>12 mos. (Apr. - Mar.)</u>	<u>Mar. 31</u>	<u>12 mos. (Apr. - Mar.)</u>	<u>Mar. 31</u>
	<u>Production</u>	<u>Stocks</u>	<u>Production</u>	<u>Stocks</u>
Pine oil	106,342	7,188	120,001	18,829
Pine tar	95,768	810	104,922	2,554
Dipentene	18,406	4,102	24,547	18,456
Other Monocyclic Hydrocarbons	34,897	4,817	35,936	10,658

<sup>1/</sup> A unit of naval stores consists of one 50-gallon barrel of turpentine and three and one-third round (500 - lb.) barrels of rosin.

TABLE 8a - REPORTED CONSUMPTION OF TURPENTINE IN UNITED STATES (Bbls. - 50 gal.)

	<u>1943-44</u>			<u>1942-43</u>		
	<u>12 mos. (Apr. - Mar.)</u>			<u>12 mos. (Apr. - Mar.)</u>		
	<u>Total</u>	<u>Gum<sup>1/</sup></u>	<u>Wood<sup>1/</sup></u>	<u>Total</u>	<u>Gum<sup>1/</sup></u>	<u>Wood<sup>1/</sup></u>
Abattoirs	0			0		
Adhesives & plastics	467			591		
Asphaltic products	0			0		
Automobiles & wagons	242			355		
Chemicals & pharmaceuticals	122,368			54,532		
Ester gum & synthetic resins <sup>2/</sup>	15,176			358		
Foundries & f'dry supplies	623			1,012		
Furniture	239			345		
Insecticides & disinfectants	221			192		
Linoleum & floor covering	33			32		
Matches	0			0		
Oils & greases	73			27		
Paint, varnish & lacquer	23,690			28,326		
Paper & paper size	0			0		
Printing ink	207			201		
Railroads & shipyards	9,928			8,772		
Rubber	123			106		
Shoe polish & shoe materials	13,806			10,322		
Soap	0			0		
Other industries	<u>183</u>			<u>192</u>		
Total industrial reported	187,379	31,282	156,097	105,363	43,212	62,151

<sup>1/</sup> Separation of gum and wood turpentine consumption will be limited for the present to the total reported.

<sup>2/</sup> Chiefly included under "Chemicals and pharmaceuticals" in previous years.



TABLE 8b - REPORTED CONSUMPTION OF ROSIN IN UNITED STATES (Bbls. - 500 lbs.)

	<u>1943-44</u>			<u>1942-43</u>		
	<u>12 mos. (Apr. - Mar.)</u>			<u>12 mos. (Apr. - Mar.)</u>		
	<u>Total</u>	<u>Gum<sup>1/</sup></u>	<u>Wood<sup>1/</sup></u>	<u>Total</u>	<u>Gum<sup>1/</sup></u>	<u>Wood<sup>1/</sup></u>
Abattoirs	916			441		
Adhesives & plastics	25,057			17,195		
Asphaltic products	2,993			3,014		
Automobiles & wagons	191			79		
Chemicals & pharmaceuticals	227,505			258,765		
Ester gum & Synthetic resins	183,273			185,329		
Foundries & f'dry supplies	21,845			11,553		
Furniture	11			8		
Insecticides & disinfectants	6,912			5,704		
Linoleum & floor covering	18,359			40,931		
Matches	1,856			1,250		
Oils & greases	37,402			63,672		
Paint, varnish & lacquer	157,925			164,119		
Paper & paper size	477,959			367,021		
Printing ink	20,772			19,217		
Railroads & shipyards	14,870			6,823		
Rubber	14,229			6,602		
Shoe polish & shoe materials	12,315			9,509		
Soap	408,823			238,658		
Other industries	7,611			11,192		
Total industrial reported	1,640,824	916,950	723,874	1,411,082	691,914	719,168

<sup>1/</sup> Separation of gum and wood rosin consumption will be limited for the present to the total reported.



TABLE 9 - WEIGHTED<sup>1/</sup> AVERAGE MONTHLY AND SEASON PRICES OF GUM SPIRITS OF TURPENTINE - 1921-22 to 1943-44<sup>2/</sup>  
(Based upon Wednesdays and Saturdays closing Savannah Prices)<sup>3/</sup>

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
						Cents per Gallon							
1921-22	53.17	61.83	52.62	53.06	56.55	65.15	69.04	73.44	74.14	83.86	86.07	80.92	62.62
1922-23	79.50	86.07	106.54	113.07	110.61	123.31	145.94	151.25	130.71	145.87	143.29	147.53	119.82
1923-24	145.32	105.48	94.74	88.73	88.83	91.61	83.86	88.50	86.36	94.88	95.37	95.72	95.22
1924-25	91.82	83.49	77.63	77.66	82.99	82.28	81.43	79.24	77.64	86.40	87.95	86.00	81.30
1925-26	87.39	97.39	92.48	90.08	95.29	106.25	105.56	104.79	93.77	99.72	92.69	93.81	96.66
1926-27	89.86	79.67	80.14	82.07	89.31	86.00	84.75	82.69	80.85	76.07	68.00	67.38	82.62
1927-28	60.61	56.41	51.24	50.64	52.31	49.22	46.71	44.36	49.49	55.03	54.94	54.82	51.38
1928-29	52.06	47.87	50.87	49.83	47.58	46.40	48.18	54.22	55.50	56.47	53.16	52.42	50.54
1929-30	48.78	48.90	46.83	47.11	46.68	49.74	50.82	47.85	48.13	49.42	50.12	50.67	48.28
1930-31	48.42	43.51	41.33	37.56	35.32	38.26	35.60	37.03	36.14	38.11	39.97	47.81	39.34
1931-32	50.44	49.42	50.69	39.77	31.40	31.88	31.17	35.21	33.83	34.68	34.84	40.06	40.10
1932-33	39.50	39.44	38.64	35.94	37.68	41.09	40.86	39.71	37.04	39.88	39.75	39.46	38.82
1933-34	37.88	42.47	40.39	46.39	42.83	41.97	40.81	42.14	42.07	47.44	57.00	55.00	42.72
1934-35	53.66	50.81	46.44	42.82	41.83	41.19	46.59	48.00	46.46	49.59	50.53	49.71	45.64
1935-36	47.37	47.07	44.46	42.40	38.47	40.91	45.76	44.92	43.96	45.19	44.44	39.31	43.56
1936-37	37.43	36.26	35.86	36.44	38.73	37.19	36.33	38.25	41.59	43.13	41.84	39.01	37.48
1937-38	35.97	35.83	34.07	33.44	31.94	29.93	27.28	26.92	26.14	28.18	26.47	25.42	31.36
1938-39	23.18	22.69	22.56	23.24	22.53	20.92	22.81	22.32	22.31	24.78	25.56	28.42	22.61
1939-40	24.96	23.93	24.00	24.11	23.72	26.11	27.16	25.72	27.00	30.17	32.91	31.67	25.31
1940-41	28.78	27.65	26.25	26.69 <sup>4/</sup>	23.69	30.80	34.99	38.37	37.11	42.05	38.78	39.25	30.03
1941-42	42.11	43.00	42.17	48.28	67.83	74.84	78.08	75.61	73.44	75.89	75.19	73.08	63.85
1942-43	65.47	61.22	62.12	64.30	61.06	66.28	70.08	69.84	69.50	69.59	69.09	69.69	66.52
1943-44	69.46	69.47	72.08	72.77	73.03	72.14	74.53	81.60	80.87	83.03	83.59	82.60	76.26

<sup>1/</sup> Due to lack of information to complete this table, only simple averages are given for 1941-42 and thereafter.

<sup>2/</sup> The monthly prices were obtained by averaging the Wednesday and Saturday closing prices. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of those figures for the season by the total receipts for that season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

<sup>3/</sup> After November, 1936, Wednesdays and Fridays closing Savannah prices were used whenever there was no quoted Saturday market.

<sup>4/</sup> To complete the table, beginning July 1, 1940, 6 cents per gallon has been added to the Savannah prices.

Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE, Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.

TABLE 10 - WEIGHTED<sup>1/</sup> AVERAGE MONTHLY AND SEASON PRICES OF GUM ROSIN (280-lb. bbls.) - 1921-22 to 1943-44<sup>2/</sup>  
(Based upon Wednesdays and Saturdays closing Savannah Prices)<sup>3/</sup>

Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Average
				In dollars per barrel of 280 pounds gross weight									
1921-22	4.00	4.42	3.87	3.78	4.00	4.39	4.34	4.42	4.47	4.21	4.22	4.10	4.20
1922-23	4.35	4.79	5.09	5.23	5.25	5.52	5.75	5.48	5.14	5.07	5.15	5.17	5.20
1923-24	4.96	4.88	4.82	4.78	4.66	4.62	4.57	4.44	4.80	4.88	4.69	4.74	4.67
1924-25	4.81	4.88	4.72	4.71	4.94	5.20	5.99	6.46	6.49	7.19	7.28	7.24	5.61
1925-26	7.52	9.01	8.78	9.15	10.22	13.02	14.33	14.22	13.05	12.09	13.34	12.66	11.11
1926-27	11.66	10.42	12.18	13.09	12.53	13.92	12.32	11.64	11.64	11.98	11.98	10.42	12.20
1927-28	9.77	9.11	8.46	8.32	8.96	8.47	7.64	6.87	7.64	8.61	8.38	8.58	8.35
1928-29	8.31	7.68	8.24	8.53	8.32	8.06	8.20	8.53	8.57	8.57	8.36	8.08	8.29
1929-30	7.50	7.39	7.31	7.49	7.44	7.87	8.16	7.62	7.34	7.48	7.45	7.22	7.54
1930-31	6.85	6.16	5.65	4.78	4.42	4.77	4.37	4.45	4.46	4.30	4.52	4.95	5.02
1931-32	4.96	5.01	5.26	3.95	3.12	3.04	2.95	3.27	3.10	3.10	3.18	3.67	3.89
1932-33	2.98	2.91	2.74	2.54	2.32	3.23	3.07	2.94	2.92	2.98	2.90	2.90	2.83
1933-34	2.95	3.54	3.53	4.09	3.83	3.91	3.86	3.92	3.90	4.24	5.04	5.06	3.88
1934-35	5.09	4.87	4.55	4.30	4.37	4.43	4.52	4.45	4.48	4.73	4.86	4.79	4.55
1935-36	4.67	4.72	4.58	4.44	4.12	4.38	4.81	4.71	4.55	4.60	4.57	4.60	4.54
1936-37	4.38	4.32	4.70	5.42	6.68	6.00	6.23	7.26	9.28	10.20	9.76	8.97	6.42
1937-38	8.07	8.30	8.15	8.00	7.98	8.03	7.35	6.21	5.55	5.92	5.38	4.73	7.35
1938-39	4.87	4.67	4.81	5.15	4.98	4.72	5.28	5.64	5.09	5.12	5.29	5.79	5.02
1939-40	5.22	5.19	5.34	5.49	5.34	5.66	5.73	5.54	5.39	5.54	5.51	5.59	5.44
1940-41	5.20	5.06	4.69	4.00	4.46	4.21	4.44	4.72	4.51	4.76	4.69	4.83	4.55
1941-42	4.69	4.58	4.62	5.24	5.87	6.03	5.93	6.37	7.10	7.89	8.10	7.82	6.19
1942-43	7.05	6.65	6.73	7.12	6.75	7.65	8.02	8.04	8.00	8.22	8.16	8.63	7.59
1943-44	8.44	8.38	8.34	8.63	9.22	9.24	9.69	10.28	10.47	10.57	11.00	11.69	9.66

Note: Rosin Grades included in average prices follow:--X, W<sup>W</sup>, WG, N, M, K, I, H, G, F, E, D, B.

L/ Due to lack of information to complete this table, only simple averages are given for 1941-42 and thereafter.

2/ The monthly prices were obtained by multiplying the average of the Wednesday and Saturday prices of each grade by the number of barrels of each grade reported as inspected in Florida during that month, and dividing the total of the resulting figures by the total number of barrels inspected in Florida during that month, thereby giving the proper relative value to each grade. The season average price was obtained by multiplying each monthly price by the combined reported receipts during that month at Savannah, Jacksonville and Pensacola and dividing the total of these figures for the season by the total receipts for the season, thereby giving the months of heavy receipts and of low receipts their proper relative value.

3/ After November, 1936, Wednesdays and Fridays closing Savannah prices were used whenever there was no quoted Saturday market.

Sources of data: Prices, Florida inspections and monthly receipts at Savannah, Jacksonville and Pensacola are taken from the NAVAL STORES REVIEW AND JOURNAL OF TRADE, DAILY MARKET REPORTS OF THE SAVANNAH EXCHANGE, JACKSONVILLE AND PENSACOLA CHAMBERS OF COMMERCE. Economic Analysis Unit, General Crops Section, Agricultural Adjustment Administration.



TABLE 11 - TURPENTINE CUPS SOLD FOR SEASONS 1923-24 to 1944-45

A compilation of information furnished by the manufacturers of turpentine cups shows that a total of 4,659,000 cups was sold during this naval stores season for use in gathering the 1944-45 crop of naval stores.

Sales of new cups for the past 22 seasons were reported as follows:

1944-45	4,659,000	1933-34	11,088,333
1943-44	4,253,000	1932-33	3,620,000
1942-43	8,648,400	1931-32	1,085,000
1941-42	2,744,000	1930-31	11,178,800
1940-41	7,567,659	1929-30	24,488,760
1939-40	1,638,300	1928-29	12,589,000
1938-39	10,525,180	1927-28	32,310,000
1937-38	17,204,900	1926-27	20,500,000
1936-37	17,530,000	1925-26	10,059,000
1935-36	6,219,240	1924-25	13,249,000
1934-35	11,707,839	1923-24	24,828,500

ADDENDA

Additional information pertaining to naval stores may be obtained as follows:

For periods prior to 1942, for monthly, quarterly and annual reports on imports and exports of turpentine and rosin, address: Foreign Trade Statistics, Bureau of the Census, Department of Commerce, Washington, D.C. Price ten cents per copy.

For biennial census of the production of turpentine and rosin, address: Bureau of the Census, Department of Commerce, Washington, D. C.

For information on the southern forest survey showing turpentine timber resources, address: Southern Forest Experiment Station, Rural Route 3, New Orleans, Louisiana.

For information regarding the production, distribution, consumption and stocks of turpentine and rosin, address: Naval Stores Research Division, Southern Regional Research Laboratory, 2100 Robert E. Lee Boulevard, New Orleans 19, Louisiana.